

**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **SYSTEMS AND METHODS FOR MANAGEMENT OF DATA IN A RING BUFFER FOR ERROR RESILIENT DECODING OF A VIDEO BITSTREAM**; the specification of which was filed on **March 5, 2002** as Application Serial No. **10/092,384**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Codes § 119(e) of any United States provisional applications listed below.

Application No.: 60/273,443

Filing Date: March 5, 2001

Application No.: 60/275,859

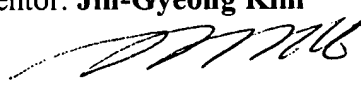
Filing Date: March 14, 2001

Application No.: 60/286,280

Filing Date: April 25, 2001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Jin-Gyeong Kim**

Inventor's signature 

Date May 24th 2002

Residence: Fremont, California

Citizenship: South Korean

Post Office Address: 2000 Walnut Ave. #F-208  
Fremont, California 94538

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Full name of second inventor: **Ioannis Katsavounidis**

Inventor's signature I Katsavounidis

Date May 24<sup>th</sup>, 2002

Residence: Pasadena, California

Citizenship: Greek

Post Office Address: 222 S. El Molino Ave. Apt. 7  
Pasadena, California 91101

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Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

INTV.008A



COPY OF PAPERS  
ORIGINALLY FILED

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kim, et al. )  
App. No. : 10/092,384 )  
Filed : March 5, 2002 )  
For : SYSTEMS AND METHODS FOR )  
MANAGEMENT OF DATA IN A )  
RING BUFFER FOR ERROR )  
RESILIENT DECODING OF A )  
VIDEO BITSTREAM )  
Examiner : Unknown )

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventors to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620

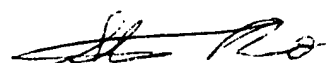
**App. No.** : 10/092,384  
**Filed** : March 5, 2002

Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

INTERVIDEO, INC.

Dated: June 4, 2002

By: 

Title: President / CEO

Address: 47350 Fremont Blvd.  
Fremont, California 94538

MSO-2921.DOC:afa  
051702

COPY

Application No.: 10/092,384  
Filing Date: March 5, 2002

NOT FOR  
Recordation

PATENT  
Client Code: INTV.008A  
Page 1

ASSIGNMENT

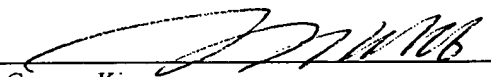
WHEREAS, We, Jin-Gyeong Kim, a South Korean citizen, residing at 2000 Walnut Ave. #F-208, Fremont, California 94538, and Ioannis Katsavounidis, a Greek citizen, residing at 222 S. El Molino Ave. #7, Pasadena, California 91101, have invented certain new and useful improvements in a **SYSTEMS AND METHODS FOR MANAGEMENT OF DATA IN A RING BUFFER FOR ERROR RESILIENT DECODING OF A VIDEO BITSTREAM** for which we have filed an application for Letters Patent in the United States with Application No. 10/092,384, filed on March 5, 2002;

AND WHEREAS, Intervideo, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 47350 Fremont Blvd., Fremont, California 94538, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4<sup>th</sup> day of June, 2002.

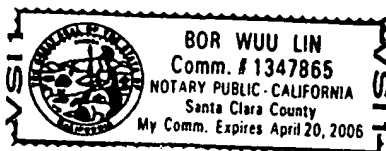
  
Jin-Gyeong Kim

STATE OF California }  
COUNTY OF Alameda } ss.

On June 4 2002 before me, BOR WUU LIN, personally appeared Jin-Gyeong Kim personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4<sup>th</sup> day of June, 2002.

I. Katsavounidis  
Ioannis Katsavounidis

STATE OF California }  
COUNTY OF Alameda } SS.

On June 4, 2002, before me, BOR WUU LIN, personally appeared Ioannis Katsavounidis personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

BOR WUU LIN  
Notary Signature

